

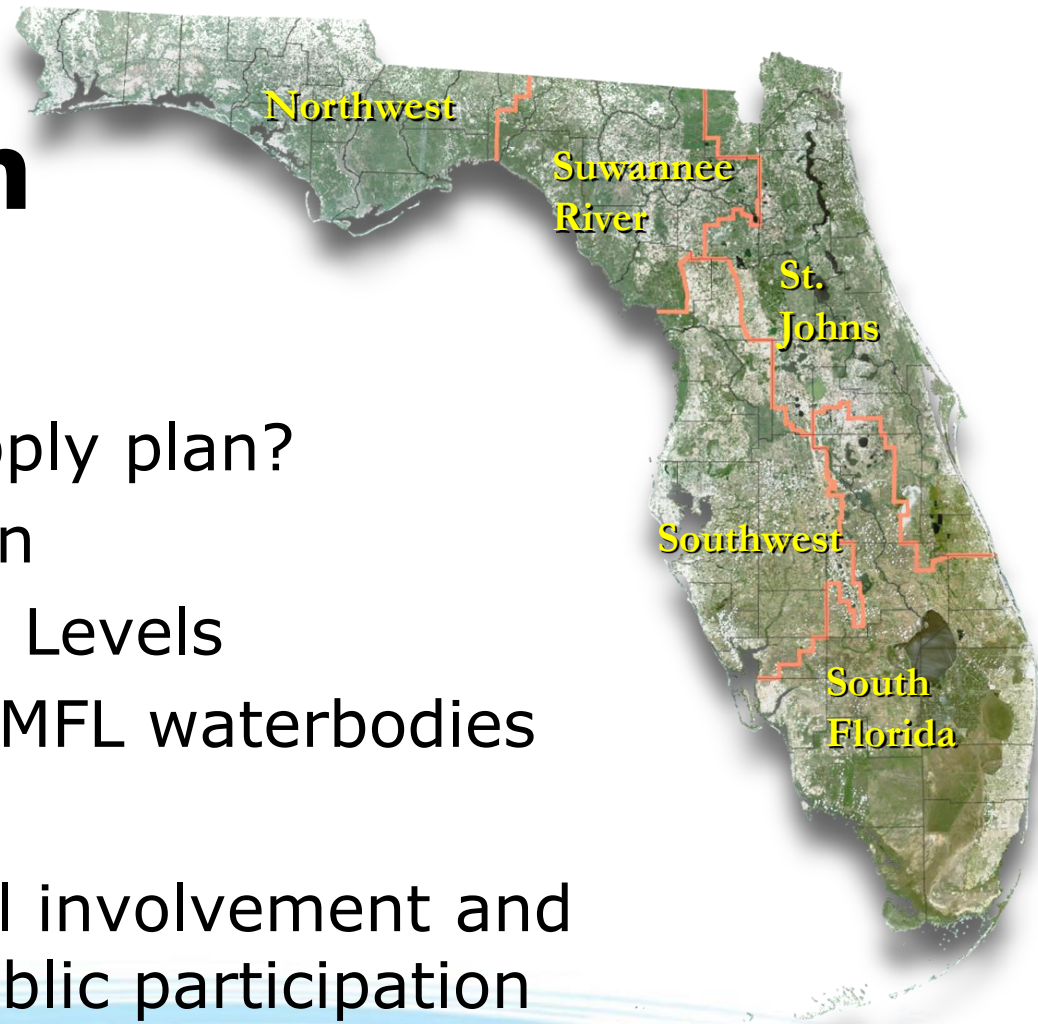
Central Florida Water Initiative

Regional Water Supply Plan

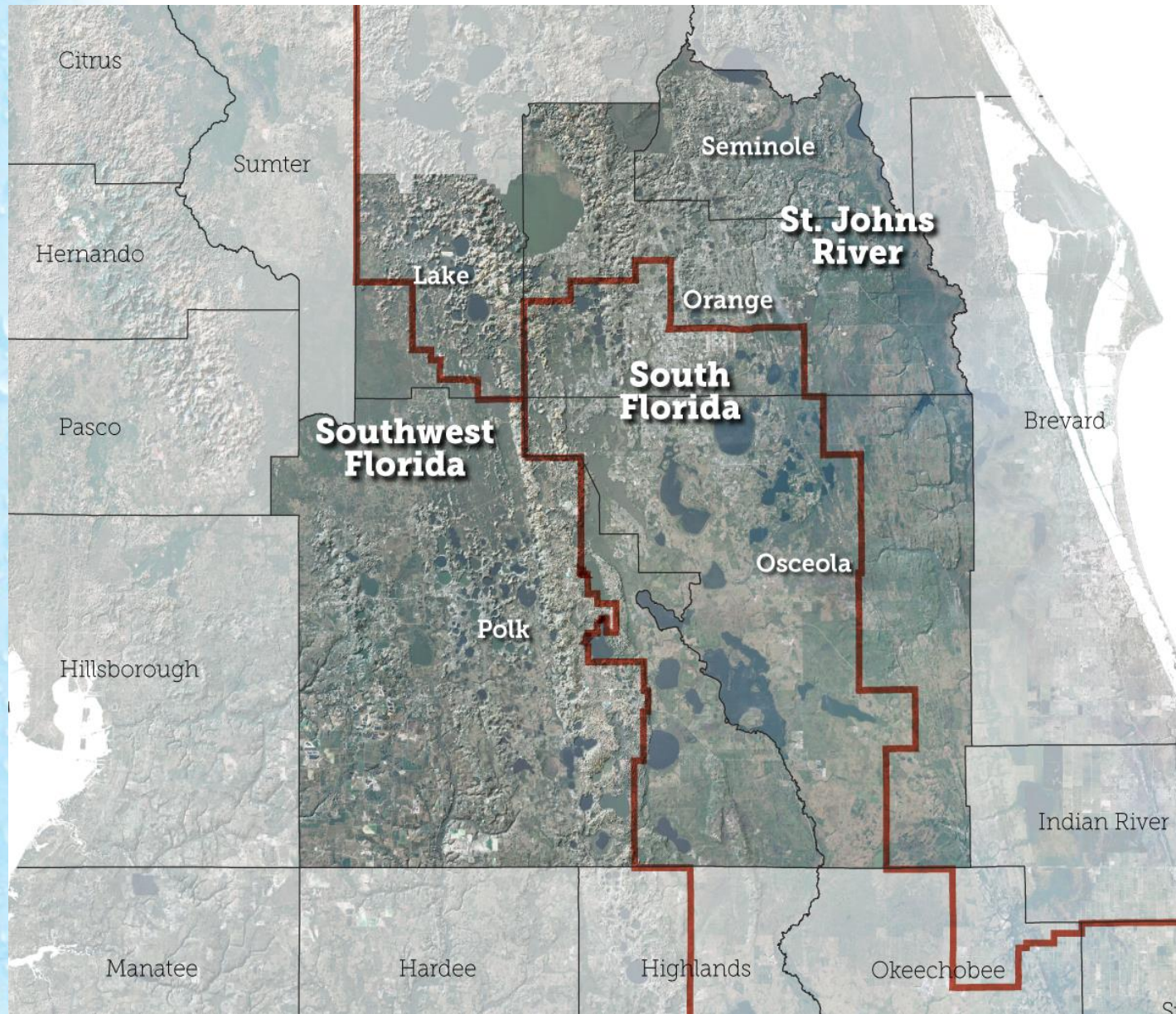
**Tom Bartol, P.E., Assistant Director
Division of Regulatory, Engineering, and
Environmental Services
St. Johns River Water Management District**

Today's Presentation

- What is CFWI?
- What is a water supply plan?
- Results of evaluation
- Minimum Flows and Levels
- South Lake County MFL waterbodies
- Solutions
- Importance for local involvement and opportunities for public participation



Central Florida Water Initiative



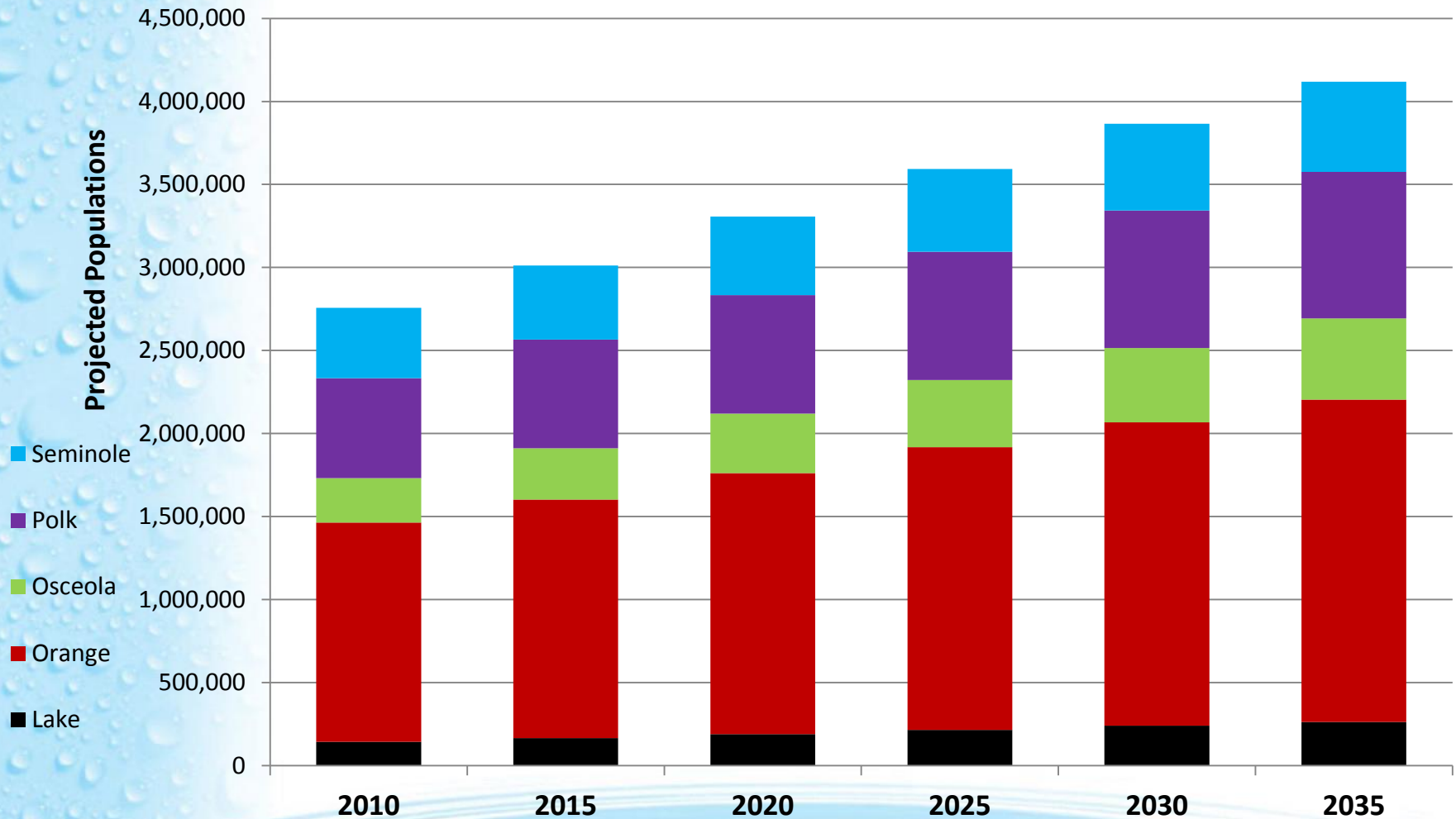
What Are the Challenges?

1. Reaching sustainable groundwater limits
2. Meeting future demands on the area's water resources
3. Overlapping regulatory programs

Addressing the Challenges through the CFWI Process

- One shared groundwater model
- One coordinated strategy for Minimum Flows & Levels (MFLs) prevention & recovery
- One Regional Water Supply Plan (RWSP)

Projected Population

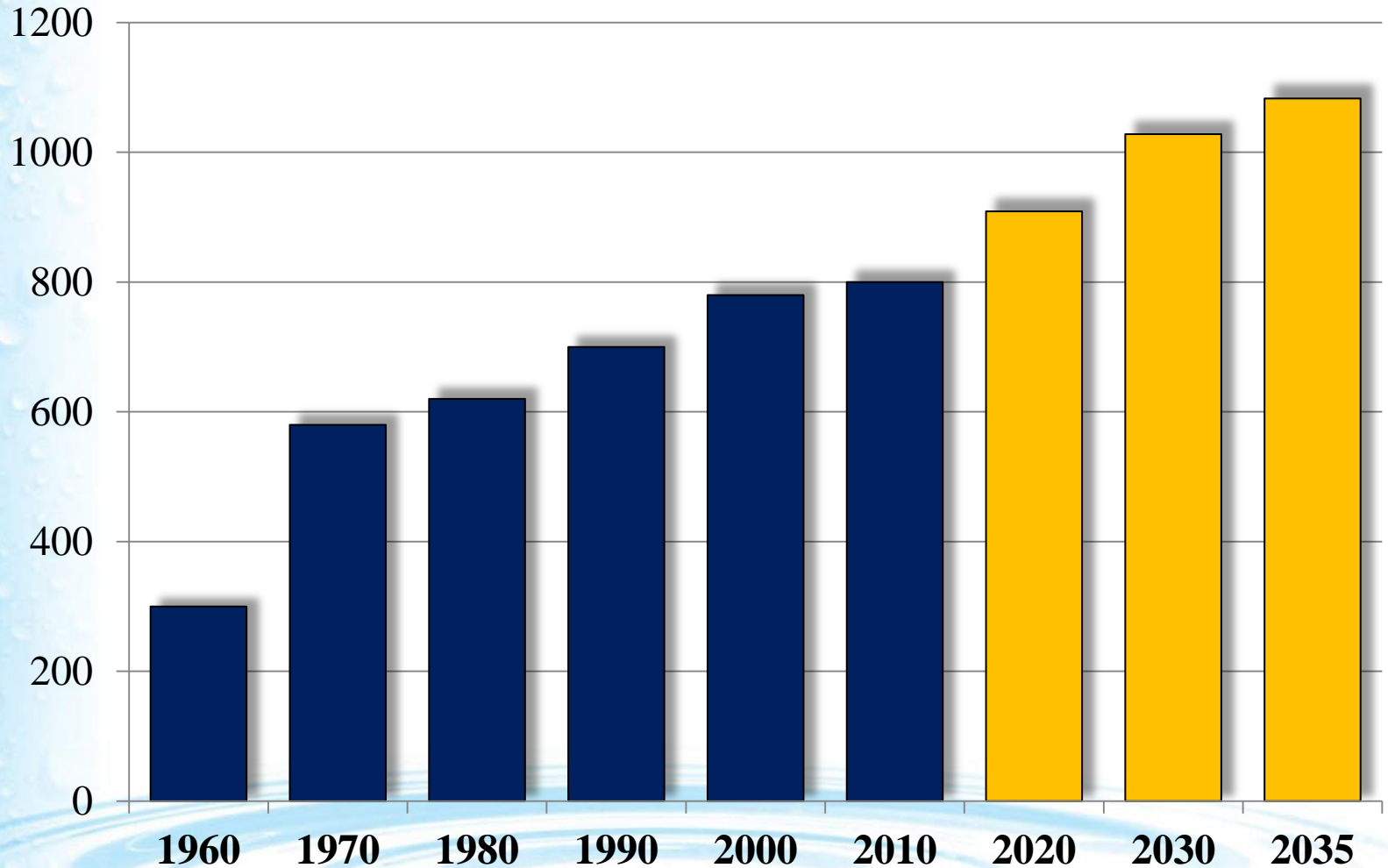


Projected Increase of 1.4 Million People

Water Use

All Classes

MGD



Historic

Projected

One Plan for CFWI Region

- Developing first-ever regional water supply plan for CFWI
- Ensuring protection of the water resources and related natural systems
- Identifying sustainable water supply for all water uses in the CFWI through the 20-year planning horizon (2035)

Findings from Groundwater Availability Evaluation

- Traditional groundwater sources can meet some, but not all projected and permitted needs in the CFWI.

CFWI Planning Level Groundwater Availability Estimates

- 800 mgd

- Average groundwater use (1995 to 2010)
- Includes some management activities

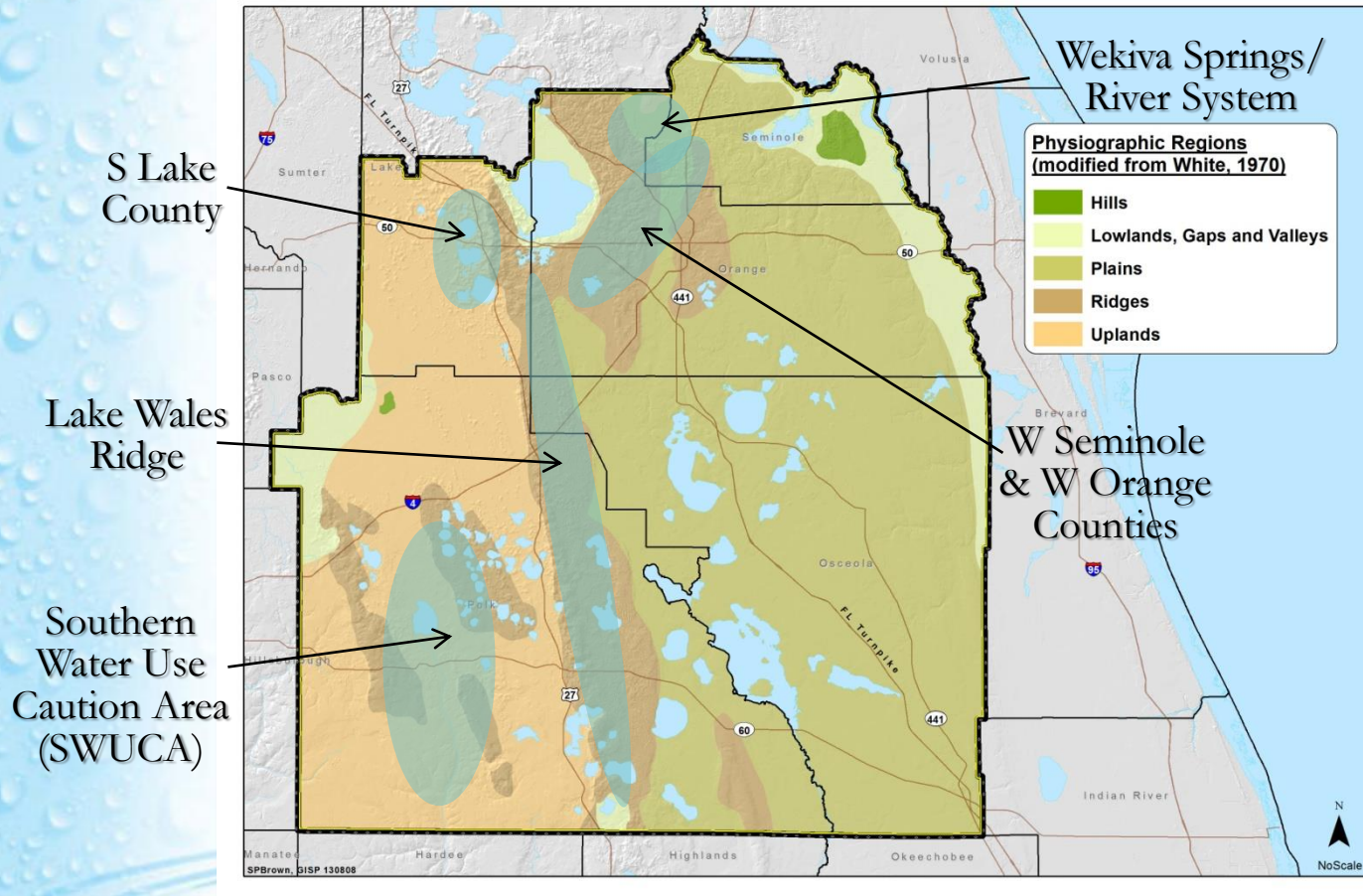
- 850 mgd

- Sustainable level of traditional groundwater sources available for water supply without causing unacceptable harm to water resources and associated natural systems

- 250 mgd

- Amount of new water supply options needed in the RWSP (difference between 2035 projected demands and sustainable level using existing sources)

Primary Areas Susceptible to Groundwater Withdrawals



Minimum Flows and Levels (MFLs)

Minimum flow - the limit at which further withdrawals would be significantly harmful to the water resources or ecology of the area.

Minimum level - the level of groundwater in an aquifer and the level of surface water at which further withdrawals would be significantly harmful to the water resources of the area.



South Lake Strategy Development Area

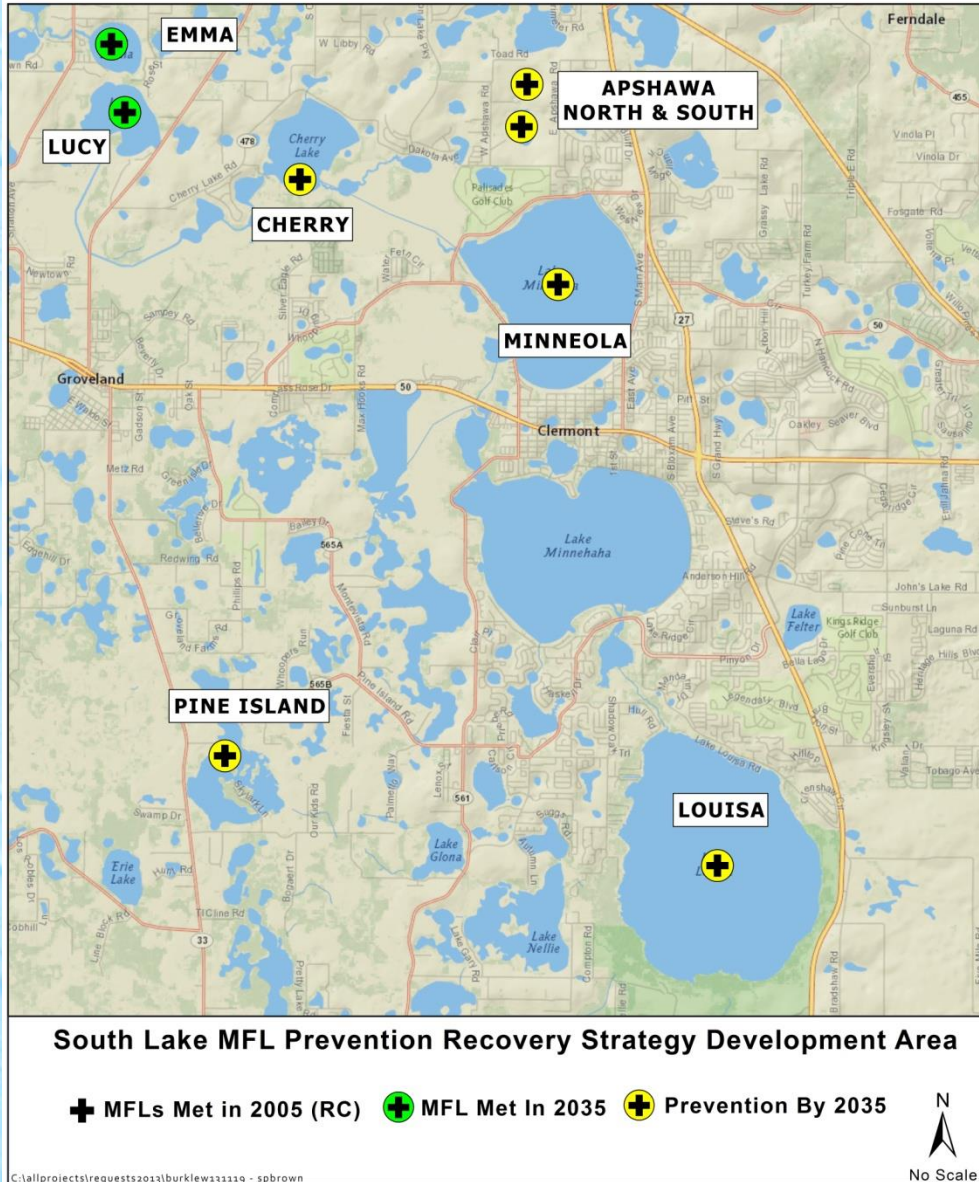
Reference Condition (2005)

All Adopted MFL Water Bodies are Meeting MFLs

2035 Scenario

Adopted MFL Water Bodies Not Meeting MFLs – Prevention Status

Apshawa North
Apshawa South
Cherry Lake
Lake Louisa
Lake Minneola
Pine Island Lake



MFL Strategy Approach

- Implement projects and measures.
- Work with existing permittees to align permitted allocations with demonstrated need.
- Establish standard permit conditions and related language for integrating MFLs with CUPs.
- Identify and secure sufficient funding resources.
- Monitoring network (project benefits and water resource response).
- Phased implementation, with full assessment, recalculation of MFLs freeboard, and Strategy revision, if necessary, at 5-year intervals.

Water Supply Projects Identified in the CFWI Region

- Reclaimed Water - 86
- Brackish Water - 35
- Surface Water - 15
- Management Strategies - 3

Reclaimed Water Projects – Lake County

- **Clermont Regional Reclaimed Water Storage Reservoir Project**
- **Thrill Hill Reservoir**
- **Eagle Ridge Reclaimed Water Distribution Facility**
- **Project RENEW**

Next Steps

District will work with local government partners to identify projects and management strategies that will protect MFLs and also support continued economic growth in and around Lake County.

RWSP Public Comment & Approval

- Draft Plan Available – November 26, 2013
 - 45-day comment period
 - Ends January 10, 2014

- Draft Plan Approval (tentative)
 - SJRWMD Governing Board: April 8, 2014
 - SFWMD Governing Board: April 10, 2014
 - SWFWMD Governing Board: April 29, 2014

Upcoming Public Workshops

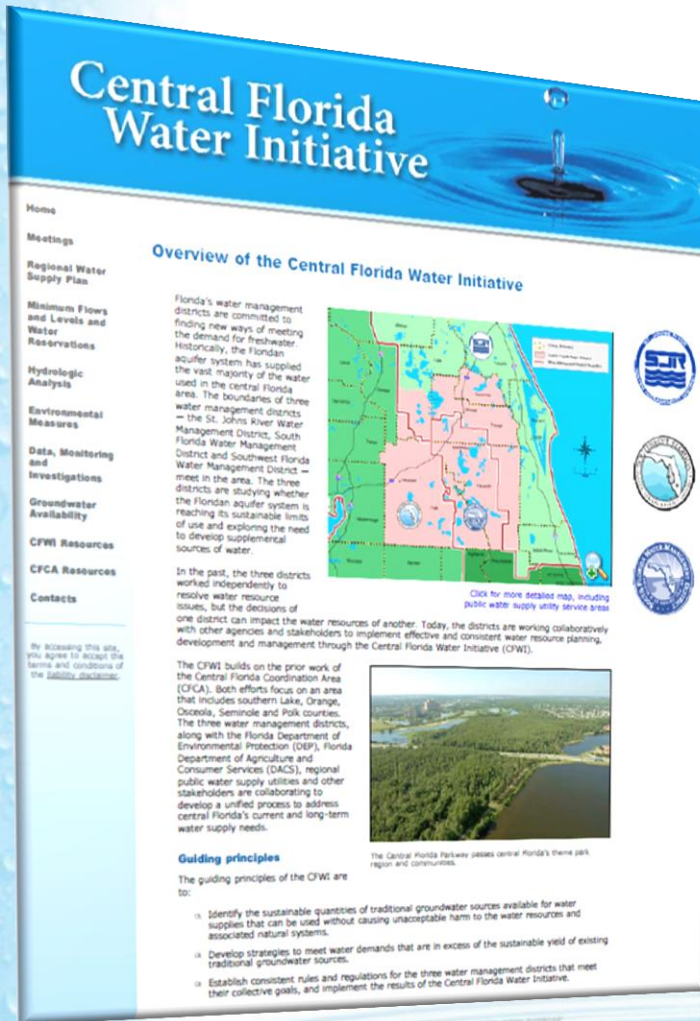
■ Please join us...

Draft RWSP Public Workshop

Thurs., Dec. 12 from 4 – 7 p.m.

Clermont Community Center (Lake Co.)

620 W. Montrose St., Clermont, FL



Additional
information
can be found at
cfwiwater.com

QUESTIONS?